

WHAT IS CLAIMED IS:

1. A washer pump comprising:

a case which is partitioned into a motor chamber and a pump chamber;

5 an armature accommodated in the motor chamber, the armature having an armature shaft rotatable when the armature is electrically energized;

an impeller accommodated in the pump chamber and coupled to the armature shaft so as to be rotatable;

10 a liquid suction port communicating with the pump chamber from which washing liquid is sucked into the pump chamber by a rotation of the impeller;

a liquid discharge port communicating with the pump chamber from which the washing liquid is discharged; and

15 a filter detachably attached in the liquid suction port for filtering the washing liquid,

wherein a ventilation hole is formed on a partition wall between the pump chamber and the liquid suction port, so that an air passage communicating with the 20 ventilation hole is provided in the filter.

2. A washer pump according to claim 1, wherein the filter is provided with a filter body having a cylindrical circumferential wall and a bottom wall, each 25 of the bottom wall and the circumferential wall of the

filter body being formed with mesh-like filtering portions, and

a part of the circumferential wall is formed into a duct portion functioning as an air passage extending in  
5 the longitudinal direction of the filter.

3. A washer pump according to claim 2, wherein the duct portion is extended from an opening side of the filter so as to horizontally protrude from the bottom wall, and a  
10 cutout portion formed on a bottom face of the duct portion at a rear side thereof is made to closely come into contact with an attachment portion having flat faces in a stepped manner in the liquid suction port.

15 4. A filter adapted to be installed in a washer pump including a case partitioned into a motor chamber which accommodates an armature having an armature shaft that is rotatable when the armature is electrically energized, and a pump chamber which accommodates an impeller that is  
20 coupled to the armature shaft of the armature so as to be rotatable, wherein washing liquid is sucked into the pump chamber from a liquid suction port, which is communicated with the pump chamber by the rotation of the impeller, and the washing liquid is discharged from a liquid

discharge port which is communicated with the pump chamber;

wherein a filter body for filtering the washing liquid is detachably attached to the liquid suction port,  
5 an air passage is provided in the filter body, so that the air passage is communicated with a ventilation hole provided on a partition wall for partitioning the pump chamber and the liquid suction port.

10 5. A filter used for a washer pump described in claim 4, wherein the filter body includes a substantially cylindrical circumferential wall and a bottom wall, each of the circumferential wall and the bottom wall being formed into a mesh-like filtering portion, and

15 a part of the circumferential wall is formed into a duct portion functioning as an air passage extending in the longitudinal direction of the filter.

6. A filter used for a washer pump described in claim  
20 5, wherein the duct portion is extended from an opening side of the filter so as to horizontally protrude from the bottom wall, and a cutout portion formed on a bottom face of the duct portion at a rear side thereof is made to closely come into contact with an attachment portion

having flat faces in a stepped manner in the liquid suction port.